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APPLICATION NO.	FILI	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	EY DOCKET NO. CONFIRMATION NO.	
09/887,092	06	5/25/2001	Yasushi Kaneko	971480A	8588	
23850	7590	05/18/2004		EXAMINER		
ARMSTRO	NG, KRA	TZ, QUINTOS,	NGUYEN, DUNG T			
1725 K STR SUITE 1000				ART UNIT	PAPER NUMBER	
WASHING		20006		2871		

DATE MAILED: 05/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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<i></i>	4	Application N .	Applicant(s)	
		09/887,092	KANEKO ET AL.	
	Office Action Summary	Examiner	Art Unit	A4~
		Dung Nguyen	2871	pr
 Period for	The MAILING DATE of this communication app Reply	ears on the cover sheet with th	correspondence address	s
THE M - Extens after SI - If the p - If NO p - Failure Any rep	RTENED STATUTORY PERIOD FOR REPLY AILING DATE OF THIS COMMUNICATION. ions of time may be available under the provisions of 37 CFR 1.13 X (6) MONTHS from the mailing date of this communication. eriod for reply specified above is less than thirty (30) days, a reply eriod for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, oly received by the Office later than three months after the mailing patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be to within the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS fror a cause the application to become ABANDON	mely filed ys will be considered timely. In the mailing date of this communication (1) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	nication.
Status				
2a) ☐ 1 3) ☐ 5	Responsive to communication(s) filed on <u>07 A</u> This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pr		rits is
Dispositio	n of Claims			
5)	Claim(s) 19-24 is/are pending in the application a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) 19-24 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/o	wn from consideration.		
Applicatio	n Papers			
10)∏ T A	he specification is objected to by the Examine he drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct he oath or declaration is objected to by the Example.	epted or b) objected to by the drawing(s) be held in abeyance. So ion is required if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.	
Priority ur	nder 35 U.S.C. § 119			
a)	cknowledgment is made of a claim for foreign All b) Some * c) None of: Certified copies of the priority documents Copies of the certified copies of the priority documents application from the International Bureause the attached detailed Office action for a list	s have been received. s have been received in Applica rity documents have been receiv u (PCT Rule 17.2(a)).	tion No ved in this National Stag	ge
2) Notice 3) Informa	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:)

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

- 1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 04/07/2003 has been entered.
- 2. Applicants' amendment dated 03/07/2003 has been received and entered. By the amendment, claims 19-24 are now pending in the application.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 19-24 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Tanaka et al., US Patent No. 5,900,852, in view of Okada et al., US Patent No. 5,532,713, as stated in the final office action.

Regarding claims 19-24, Tanaka et al. disclose a method of driving a liquid crystal shutter comprising the step of setting a scan term for driving pixel electrodes, such that the scan term is shorter than holding time (see figure 2). However, Tanaka et al. do not disclose a reset term during which all the pixel electrodes closed by applying voltage to the pixel electrodes

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before the scan term. Okada et al. do disclose a reset term (e.g., clear pulse) can be set before a scan term (e.g., selection pulse) (see figure 9). Therefore, it would have been obvious to one skilled in the art at the time of the invention was made to set a reset term during which all the pixel electrodes closed by applying voltage to the pixel electrodes before the scan term as shown by Okada et al. in order to reset the display states of all pixels (see col. 8, lines 5-8).

It should be noted, regarding the above claims, it has been held that to be entitled to weight in method claims, the recited structure limitations therein must affect the method in a manipulative sense, and not to amount to the mere claiming of a use of a particular structure. Ex parte Pfeiffer, 1962 CD 408 (1961).

Response to Arguments

5. Applicant's arguments filed 04/07/2003 have been fully considered but they are not persuasive:

Applicants' arguments are as follow:

- a. The cited references, even if combined, do not teach or suggest all the elements of the invention since Tanaka does not disclose a holding time during which a liquid crystal shutter keeps a maximum transmittance higher than a transmittance in an initial open state.
- b. Examiner has not stated a motivation or suggest to combine the cited references.

 The Examiner responses Applicants' arguments as follow:
 - a. The Examiner respectfully disagrees with Applicants' viewpoint. In particular, Tanaka et al. do disclose a holding time (t_{12}) and an initial open state time (t_{11}) , wherein the holding

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time during which a liquid crystal shutter keeps a maximum transmittance higher than a transmittance in the initial open state. Therefore, it would have been obvious to one skilled in the art to combine Okada et al. reset time to such Tanaka et al. driving method as stated above.

b. As stated in the previous office action, the combination of Tanaka et al. and Okada et al. would modify the Tanaka et al. driving method having a reset time in order to reset the display states of all pixels (as stated in col. 8, lines 5-8).

Accordingly, the rejection of claims 19-24 stand.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung Nguyen whose telephone number is 571-272-2297. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on 571-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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DN 05/17/2004 Dung Nguyen Primary Examiner Art Unit 2871